

# ANCHORAGE ARC

ANCHORAGE AMATEUR RADIO CLUB, INC.  
P. O. BOX 1987 \* ANCHORAGE, AK 99510  
344-2835

APRIL 1980

## CALENDAR:

- April 4 Monthly General Club Meeting-U of A, Consortium Library, 7 p.m.  
8 PARKA - Regular Meeting, Grandview Gardens Library, 7:30 p.m.  
12 PARKA - Spring Banquet, YL's with OM's, Showboat Restaurant, 7 p.m.  
16 Monthly Board Meeting - Fred, KL7HFM's QTH, 7 p.m.  
18 Social of the Month - TO BE ANNOUNCED AT APRIL MEETING or CALL Club Phone  
May 2 Monthly club meeting  
3 WALK FOR HOPE - Communications by the Anchorage Club, call Bill, KL7ITI-337-1779  
11 MOTHER'S DAY - SEARS MALL - 3rd Annual "Send a Message to Mom", VOLUNTEERS

AND EQUIPMENT NEEDED!!!!!!

## 1979-1980 OFFICERS & BOARD OF DIRECTORS

President	Fred Wegner,	KL7HFM	Board Members:	Mike Barbarick	KL7IXT
Vice-President	Deanna Barbarick	KL7IZJ		John Bierman	KL7GNP
Secretary	Dave Zugsborger	KL7FO		Herb Brasseur	KL7JIG
Treasurer	Betty Rhodes	KL7AP		Dave Cloyd	KL7M
Activities Mgr	Dave Lawrence	KL7HAB		Bob McKinnie	AL7AW
Trustee	Bill Reiter	KL7ITI		Sue Michael	WL7ABK
				Harley Steward	KL7IZZ
				Steve Norrell	KL7IYX
				Wilse Morgan	KL7CQ

## REPEATER DIRECTORY

REPEATER	LOCATION	FREQUENCY	CONTROL
KL7AA UHF	RABBIT CREEK	444.7/449.7	AARC
KL7AA VHF	GOVERNMENT HILL	146.34/.94	AARC
WR7ACT	SITE SUMMIT	147.90/.30	CD/AARC
KL7EKB*Phone Patch	JEWEL LAKE & DIMOND	146.16/.76	KL7EKB
WR7AFM	PALMER	146.04/.64	KL7DOB
KL7AA	MINCHUMINA LINK TO FAIRBANKS	146.22/.82	AARC/KL7IKK/ KL7IS/ARCTIC ARC
KL7JFU	BIG LAKE	146.25/.85	MAT. VALLEY CLUB (MARA)
WR7IEJ	KENAI	146.28/.88	MOOSEHORN ARC

## VHF & HF NETS

Anchorage Emergency Net	Weekly/Thursday	8 p.m.	147.90/.30
Alaska Pacific Net	Mon - Fri	8 a.m.	14.292
Alaska Bush Net	Daily	6:30 p.m.	7.250
Sourdough Net	Mon - Fri	6:30 p.m.	3.915
SEA Saw Net	Daily	5:00 p.m.	3.900
Sniper Net	Daily	6:00 p.m.	3.920
Grubstake Net	Daily	9:00 p.m.	3.940
Alaska Iditarod Net	Saturday	10:00 a.m.	28.849
DX Association Net	Sunday	8:00 p.m.	3.895

# 39A 39A70424A

1. The first part of the document is a list of items, each with a number and a description. The items are listed in a table format with three columns: Item Number, Description, and Quantity. The items are listed in descending order of quantity.

2. The second part of the document is a list of items, each with a number and a description. The items are listed in a table format with three columns: Item Number, Description, and Quantity. The items are listed in ascending order of quantity.

Item Number	Description	Quantity
1001	1001	1001
1002	1002	1002
1003	1003	1003
1004	1004	1004
1005	1005	1005
1006	1006	1006
1007	1007	1007
1008	1008	1008
1009	1009	1009
1010	1010	1010

3. The third part of the document is a list of items, each with a number and a description. The items are listed in a table format with three columns: Item Number, Description, and Quantity. The items are listed in ascending order of quantity.



## THE FCC IS NOT ALWAYS MEAN TO US

On another page of this newsletter is a big one page announcement about the FCC changing all tests, Amateur and Commercial. That could be a blow for some of us who are just getting the hang of the present requirements as outlined in current study guides.....Well, I just wanted to let you know about two actions that have been implemented on the PLUS side.

**RULES AMENDED TO EXTEND GRACE PERIOD FOR EXPIRED AMATEUR RADIO OPERATOR LICENSES** ----- The Commission has amended Part 97 of the rules to lengthen the "grace" period for renewal of expired radio Amateur operator licenses from one to FIVE years. Section 97.13(d) stated that if a license was allowed to expire, application for renewal had to be made during a period of "grace" of one year after the expiration date, during which time an expired license was not valid. . . . In recent years, the Commission noted, the overwhelming majority for waiver requests had been granted. For this reason, the Commission said it was amending Section 97.13(d) to change the "grace" period from one year to five years, adding that it was reasonable to presume that a licensee would remain fully qualified during the five-year period. In addition, the FCC said the rule revision would reduce their work load since it would receive fewer waiver requests and it would have fewer second examinations to administer. The amendment became effective on March 16.

+++++

On January 21, 1980, the FCC effected the new arrangement that Canadian Amateurs operating in the United States need not be issued a permit before operating in this country. The big thing here is that it is reciprocal -- if you are planning a trip through Canada you do not have to apply for a Canadian permit to operate. This should be of benefit to those also driving the Alaska Highway.

---

BY THE WAY-----SPEAKING OF CANADA---IF YOU ARE INTERESTED IN GETTING SOME REALLY HANGABLE CERTIFICATES, THE FOLLOWING IS A LIST OF WHERE TO WRITE FOR WHAT;

THE CANADIAN AMATEUR RADIO AWARD DIRECTORY - \$5.00  
GARRY HAMMOND, VE3GCO - 5 MCLAREN AVENUE - LISTOWEL  
ONTARIO N4W 3K1 - CANADA

THE MAPLE LEAF AWARD - \$2.00 - SAME ADDRESS AS ABOVE

CANADAWARD \$1.00 + POSTAGE

P. O. BOX 76752 - VANCOUVER, BRITISH COLUMBIA - V5R 5S7 - CANADA

.....

## CLUB ELECTIONS 1980

The Nominating Committee met Wednes. March 26, at Fred's, KL7HFM, to consider nominees for the upcoming election of Officers and Board Members at the June 6th meeting. The committee will present a slate of recommendations at the meeting on April 4th.

There must be at least two running for each office to hold an election. Be thinking of who you want for the 1980-1981 officers and directors. The positions to be filled are: President, Vice President, Secretary, Treasurer, Activities Manager, 5 - 1 yr Board positions, 1-3 year Board position. Fred, KL7HFM, will remain on the Board in the Past President's slot to help guide the changeover of personnel with his words of wit and wisdom. AS IN ALL ELECTED POSITIONS, YOU ARE THE ONE WHO DECIDES HOW AND WHO WILL HOLD THESE OFFICES. IF YOU WOULD LIKE TO SERVE IN ANY CAPACITY -- SPEAK UP!!!!



## AMSAT

LAST MONTH IT WAS MENTIONED THAT WILSE, KL7CQ HAD WRITTEN TO AMSAT CONCERNING A NATIONAL CONTEST TO COME UP WITH A LOGO PATCH FOR AMSAT. HE RECEIVED AN ENTHUSIASTIC REPLY WITH A GO-AHEAD ON THE PROJECT. SINCE THIS WILL BE AN INTERNATIONAL CONTEST A COMMITTEE WILL BE SET UP TO ESTABLISH RULES AND REGULATIONS FOR ENTRIES. THESE WILL BE PUBLISHED IN THE QUARTERLY AMSAT NEWSLETTER, WORLD RADIO, 73, AND HOPEFULLY QST. THE PRIZE WILL BE IN THE \$100 RANGE-STILL TO BE DECIDED ON. WILSE WILL BE CONTACTING PEOPLE TO HELP OUT FOR SETTING UP THE PROJECT AND SCREENING ENTRIES. THIS LITTLE PROJECT SHOULD PUT THE ANCHORAGE AMATEUR RADIO CLUB ON THE MAP. IN CASE YOU DON'T KNOW AMSAT IS THE AMATEUR SATELLITE CORPORATION AND IS GETTING READY TO LAUNCH ANOTHER SATELLITE SOON FROM FRANCE. IF YOU WOULD LIKE TO HELP OUT GIVE WILSE A CALL - 344-1257.

#####

KEY-CLICKS, CHIRPS, AND GIGOS

FORGOT LAST MONTH TO COMMENT ON THE 1980 FUR RENDEZVOUS...THE AARC MANNED THE DOGGIE CHECK POINTS ON THE TRAIL FOR TWO DAYS OF RACING, WITH THE THIRD DAY CANCELLED. THE BOARDS THAT HAVE BEEN USED FOR YEARS DOWNTOWN AT THE STARTING LINE WERE IN PRETTY POOR SHAPE SO NEW ONES WERE MADE UP. THE LARGE TRAIL MAP WAS RECONDITIONED AND NEW NAME SLATS WERE CUT, FIT, AND PAINTED. THE RESULT WAS A FINAL LEGACY FROM DON BAIN, K3CKC, (DON & JACKIE WILL BE MOVING NEXT FALL) WITH ABLE HELP FROM DAVID STEVENS, KL7EB, AND TANYA DELANCY, WA3R. DON HAS GAINED A REPUTATION AS AN EXCELLENT SIGN MAKER. HE ALSO DID UP THE BIG CLUB LOGO SIGN THAT IS USED AT A LOT OF FUNCTIONS. THANKS TO ALL WHO HELPED ON THE FUR RENDEZVOUS PROJECT - IT WAS GREAT TO HAVE SO MANY NEW HAMS PARTICIPATING ON THE CHECK-POINTS AS WELL AS THE OLD REGULARS WHO HAVE THEIR FAVORITE SPOTS PICKED OUT --- KEN, KL7JAI, EVEN SAW THE DOGS THIS YEAR AROUND HIS HOT TODDIES.

*Don't forget the ARRL National Convention in Seattle on July 25-27. More details will be printed when we manage to get ahold of our illustrious ARRL Director, Robert Thurston, N7PGY. Fred, KL7HFM, has written to find out details of where, etc, but has received no word yet.*

Mike Nauman, KL7DZE, who is Alaska Laminated Signs, has finally tracked down a new supplier for the flasher units that go on the flashing tower name pins that some members wear. He should have them and be ready to start taking orders in about a month.

BACK IN DECEMBER A BUNCH OF PEOPLE TOOK THEIR FCC AMATEUR TESTS, AT WHICH TIME THE FCC SAID IT WOULD TAKE ABOUT 4-6 WEEKS TO GET THE LICENSES IN HAND. WELL, 12 WEEKS LATER THEY FINALLY STARTED ARRIVING AS EVIDENCED BY THE RASH OF NEW TWO LETTER "H" CALLS. WONDER HOW LONG IT WILL TAKE WHEN THE PRESENT CLASSES ARE FINISHED UP. HOPEFULLY NO ONE WILL HAVE TO WAIT THE 4 MONTHS IT TOOK FOR ME (KL7AP) TO GET MINE BACK WHEN THE NEW CALL SIGN CHANGEOVER TOOK PLACE.

\*\*\*\*\*

The Anchorage Amateur Radio Club, Inc. is affiliated with the Anchorage Community College and the University of Alaska through their community affiliate program.



## "THE 292'er"

The 292'er is published monthly by Tom & Mary Moore, KL7Q & KL7P, with the assistance and cooperation of the Alaska Division of Emergency Services (ADES) as an informative service for the HAMs who support the Alaska Pacific Civil Preparedness Net on 14292 KHz and the State's Radio Amateur Civil Emergency Service (RACES) program.

Iditarod 1980 is over. We were one whale of a success again this year-- covered all but three of the checkpoints - total of 24, to include manning of Nome Ham Hq. Went through an \$8,000 budget with only pennies left over. Handled about 1500 messages, and roughly 200 phone patches. And this year, our HAM headquarters was located right downtown at ADES where we demonstrated to State officials that Alaska's HAMs have the technical know-how and professional competence to operate from remote, uncomfortable, locations for a sustained period - 2½ weeks of it at 18 hours a day. We learned a lot again this year to help improve next year's effort. But all in all, this year's was the most successful to date - a fantastic accomplishment by our HAMs who went out to the checkpoints.

I'm about to become a real stranger on the net - I listen in more often than not and realize there's lots of you that I don't get around to talking to very often. At any rate, I'd like to thank all of you, particularly Patti, KL7L, Dave KL7M, Cliff WA6BKY, Bill KL7JFZ, Joe W7GIP, and all the others for helping Mary with the net these past weeks. We sure appreciate it.

Those of you who remember Dudley Greer, KL7EQQ, will be interested to know that he's going to be vacationing in Texas in May and has only one year to go in Saudi. By the way, since HAM radio is nie to impossible over there, he's taken up oil painting and scuba diving - claims to be pretty good at both!

Ray Davie W&eho is improving - We hope and pray daily that he continues to get better. Send cards to Ray Davies, Sacred Heart Hospital, Spokane, Washington.

So good to hear Kermit W7IWF back on the air more regularly.

Mary & I & ADES continue to ask for volunteer(s) to take over the net this summer. Maybe we could split it up and have specific people for each day of the week - that way, no one person would have to carry the entire load. We'll see what develops!!!

HAM wise - next comes the Anchorage Club's MOTHER'S DAY display at Sears Mall and the approx 2500 messages generated there to be sent out - then to support the State Troopers in their marathon run in support of the Special Olympics for disabled children - from Whitehorse YT to Anchorage and Fairbanks.



Anchorage Amateur Radio Club

Board of Directors Meeting

3/19/80

Present:	Fred Wegmer	KL7HFM	President
	Betty Rhodes	KL7AP	Treasurer
	Dave Zugsberger	KL7FO	Secretary
	Dave Lawrence	KL7HAB	Activities Chairman
	Bill Reiter	KL7ITI	Board Member
	Bob McKinnie	AL7AW	" "
	Herb Brasseur	KL7JIG	" "
	John Bierman	KL7GNP	" "
	Dave Cloyd	KL7M	" "

Location: Residence of Fred Wegmer (KL7HFM)

The meeting was called to order at 7:30 PM by Club President Fred Wegmer (KL7HFM). The following notes summarize the minutes of the meeting.

1. Order of Business:

Club Secretary Dave Zugsberger (KL7FO) read the minutes from the 3/7/80 general meeting.

Action:

Accepted by the Board.

2. Order of Business:

Club Treasurer Betty Rhodes (KL7AP) read the treasurer's report.

Action:

Accepted by the Board.

3. Order of Business:

Dave Cloyd (KL7M) VHF Committee Chairman asked if the Board would be receptive to purchasing an auto patch for the Club's repeater.

Action:

Tabled awaiting technical and cost estimates.

Fred (KL7HFM) suggested that because of abuses of the 16/76 auto patch repeater (i.e., long distance calls) any new autopatch should include a lock out system to prevent unauthorized use. Fred also said that he had shut down the 16/76 auto patch because of these abuses.

4. Order of Business:

Dave (KL7HAB) motioned that the Club hold a raffle to raise funds for the Jerry Lewis telethon.

Discussion:

Discussion centered around possible prizes, whether all the proceeds should be donated to the Telethon and number of tickets, cost of tickets, etc.

Action:

The Board approved an amended motion calling for a raffle to be held with one drawing at the Telethon and another at the Club's flea market.

Vote Count

Approved 9 (1 proxie)

Disapproved 1

5. Order of Business:

Herb Brasseur (KL7JIG) motioned that no raffle tickets be sold in the Sears Mall during the Mother's Day activity because of possible implications that the purchase of tickets might be associated with the free-traffic handled.

Action:

Approved by the Board.

Vote Count

Approved 8 (1 proxie)

Disapproved 1

Abstention 1

6. Order of Business:

Dave (KL7HAB) volunteered to Chair the raffle committee.

Fred (KL7HFM) thanked Dave for his help especially the publicity Dave has arranged for our Club during the year and his offer to continue this next year.

7. Order of Business:

Steve Norrell (KL7IYX) asked if the Board would be interested in supporting a Little League Team for about \$200. More details to be obtained by Steve later.

Action:

The Board said this seemed like a good idea and should be brought up again when more details were available.

8. Order of Business:

Dave (KL7HAB) suggested that the Board should give more backing to the Activities Chairman position next year.

Action:

Board accepted Dave's suggestions.

9. Order of Business:

John Bierman (KL7GNP) said he would like to include QSL Bureau notices in the news letter.

Action:

Approved by the Board.

10. Order of Business:

Betty (KL7AP) said that she would be calling on members to write short articles for the newsletter in the future.

There being no further business the meeting was adjourned at 10:15 PM.

Submitted by :

*David Zugberger*

David Zugberger KL7FO  
Club Secretary

=====

TREASURER'S REPORT

PRESENTED TO AND ACCEPTED BY THE BOARD ON MARCH 19, 1980

CHECKING ACCOUNT	1196.95
SAVINGS ACCOUNT	5542.36
RAFFLE ACCOUNT	110.00
REPEATER DONATION	
FUND	335.95
TOTALS	\$7185.26

INCOME	\$267.76
EXPENSES	412.15

\*\* ERROR IN LAST MONTH'S REPORT - PICKED UP AN ENTRY TWICE SO TOTAL SHOULD HAVE BEEN CHECKING ACCT - \$1378.34 NOT \$1418.34 AS REPORTED, WHICH REDUCES THE BEGINNING BALANCE TO \$7329.65 FOR THIS REPORT.

RESPECTFULLY SUBMITTED,

BETTY RHODES, KL7AP, TREASURER

.S. THINK ALL THIS MONEY IS GETTING  
ME SHOOK UP AS THE ACCOUNTING GETS MORE COMPLICATED.



## PLAN FOR HCPE

## ELSON, 2000, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682,

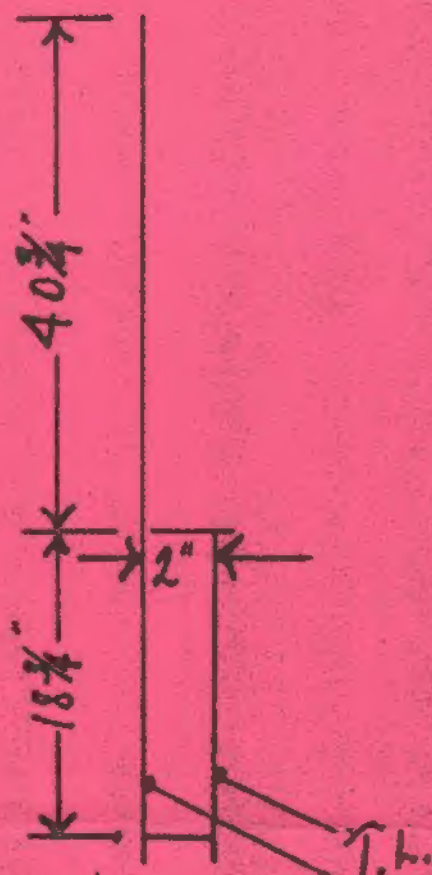
the Blood Bank always need's good,  
all red blood and our club just  
wants to have an account down  
there sooooo if you give it the name  
of the club and then need some you  
can draw on the entire account.

[illegible]



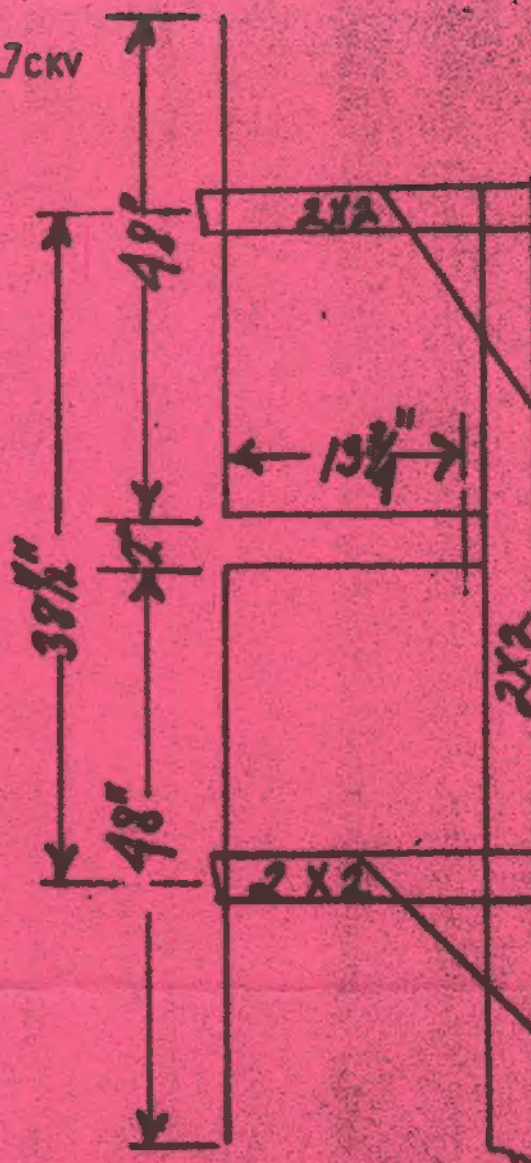
# TWO METER ANTENNAS

BY BILL WATSON, KL7CKV



MOBILE J ANTENNA

USE ANY SUITABLE WHIP OVER 60" LONG, PREFERABLY NOT STEEL. PLACE AS HIGH AS FEASIBLE. J SECTION OF 1/4" OD. TUBING WITH SOLID SHORT AT THE BOTTOM. WHIP MAY BE GROUNDED. THE LINE IMPEDANCE IS 300 OHMS AND IT IS TAPPED 2-1/2" FROM SHORT. A BALUN IS USED TO TRANSFORM TO 52 OHMS.



EXTENDED FULL WAVE

## EXTENDED FULL WAVE ANTENNA

USE 48" ELEMENTS OF 1/4" OD OR 46" ELEMENTS OF 3/8" TUBING. NO INSULATION IS REQUIRED IN THIS SYSTEM EXCEPT BETWEEN THE RADIATORS, FOR RIGIDITY. A PHASING SECTION IS REQUIRED IN THIS SYSTEM WHICH IS A 90° BEND IN THE 1/4" TUBING, FASTEN ALL TUBING DIRECTLY TO THE WOODEN SUPPORTS.

<u>IMPEDANCE</u>	<u>DISTANCE</u>
150 ohms	2-1/4"
200 ohms	2-5/8"
300 ohms	3-7/8"
470 ohms	4-1/2"

THIS ANTENNA HAS A GAIN OVER A  
DIPOLE OF 3.2 db

## 4 ELEMENT STACKED EXTENDED FULL WAVE

USE 22" SPACING BETWEEN UPPER AND LOWER SECTIONS. PHASING LINE BETWEEN THE TWO SECTIONS WILL BE TWO WAVELENGTHS LONG, ALLOWING FOR VELOCITY OF PROPAGATION OF THE TRANSMISSION LINE USED. TAP POINTS SHOULD BE ADJUSTED TO GIVE TWICE THE IMPEDANCE OF THE MAIN LINE. IF 300 OHM FLAT TWIN LEAD IS USED THE LENGTH WILL BE 132". ADJUSTMENTS LISTED FOR SINGLE ANTENNA WILL NOT APPLY WHEN STACKING, THIS IS DUE TO THE INTERACTION BETWEEN SECTIONS. THESE ANTENNAS ARE NON-DIRECTIONAL. THE PHASING IS FROM TOP ELEMENT TO TOP ELEMENT AND BOTTOM TO BOTTOM ELEMENT.



# MOST USED COMMON CRYSTAL FREQUENCIES AND THEIR HARMONIC RELATION

148.01	74.005	49.336666	37.002498	24.668333	18.50125	12.334166	8.222777	6.167083
146.94	73.470	48.980	36.7350	24.490	18.3675	12.2450	8.163333	6.1225
146.76	73.380	48.930	36.690	24.430	18.345	12.215	8.14.333	6.1075
146.34	73.170	48.780	36.585	24.390	18.2925	12.195	8.130	6.0975
145.3	72.650	48.43333	36.325	24.216666	18.1625	12.108333	8.072222	6.054166
143.95	71.975	47.983333	35.9875	23.991666	17.99375	11.995833	7.997222	5.997916

I have not included one frequency in the multiplication which is related to these frequencies and that is the 9 MHz as this frequency will fall too close to the receiver I.F.. Some of the commercial units use this crystal, but one is apt to have trouble with a 10.7 MHz I.F.

For the novice and some of the people that have asked me about using this chart I will explain how to use it. Example: Suppose in your junk box that you have a crystal 12.334166 which is the Army Mars Frequency. We see that this will go into 24.668333 MHz two times, then it will also go into 49.336666 two times. Now if we triple the frequency of 49.336666 that it will come out to 148.01 MHz. So what we have in the transmitter is one doubler followed by another doubler and then a tripler. Now let's take the crystal that we have not included in this table, the 9.25075 crystal. We can see that it is only 1.45925 MHz away from the MHz I.F. and this could give a problem in the receiver. That would be the worst one to give trouble. Let us make an example of the 9.25075 MHz crystal and how it will multiply up to our working frequency of 148.01 MHz. The best way is to double this frequency which will be 18.5015 MHz, then it is doubled again. Now it will be 35.0025 MHz; this is then doubled again and it will be 74.005 MHz and after another doubler we come out on the Mars Frequency of 148.01 MHz.

I hope that this chart will be of some help to those that like to fiddle and do a little experimenting with transmitters. At a later date I will work up a chart from my notes for Receiver Oscillators and their I.F. Xtals.

By BILL WATSON, KL7CKV



Anchorage Amateur Radio Club

General Meeting  
Attendance 61

3/6/80

Club President Fred Wegmer (KL7HFM) opened the meeting at 7:25 PM and introductions were held.

Fred announced that someone is needed to take over some of the duties of running the newsletter. A volunteer, Tanya Delancy (WA1RVG) was found and Betty (KL7AP) also offered to help her.

Fred also announced that someone is needed to serve on the VHF committee since Dave (KL7M) has been kept so busy with his new job. As a side note Fred said he had shut down the 16/76 repeater today because of malicious interference - someone had put a continuous carrier on.

Fred brought up the new rules of procedure for discussion. No significant questions were raised and a motion was made to accept the rules of procedure and seconded. The vote was unanimously accepted.

The floor was opened for suggestions for the Club's nomination committee. The following members were nominated:

KL7HKZ Al Pacheco  
KL7JGN Lloyd Fuller  
KL7AJX Marian Arlin  
WL7AGU Mark Hadley  
W7PXX Joe Dremer  
KL7HFM Fred Wegmer

The guest speaker for the evening was J.J. Jones (NL7A) who spoke on frequency allocations.

Fred said that the monthly social would be on March 22 at KL7IBZ's. It will be a true potluck with talk in on 14/94.

Bill Reiter (KL7HFI) asked for and received several volunteers for the May 3rd Walk for Hope. There is still room for volunteers so see Bill if you can help.

Betty Rhodes (KL7AP) announced that PARKA's will meet on Tuesday at 7:30 PM. This month's meeting will discuss "soldering".

Bob McKinnre (AL7AW) announced that the Boys Club had been successful in getting the Woodland School and is moving along toward setting up its home station.

Wilse Morgan (KL7CQ) presented a short program on the CAP in Alaska.

Fred said that our Club is now an official sponsor of a bingo program. This will involve 3 nights of bingo a month at 4848 Old Seward Highway.

Wilse (KL7CQ) said that he is looking for judges for the AMS AT logo contest our Club is sponsoring.

There being no further business, the meeting was adjourned at 10:00 PM.

Submitted by;

  
David Zugsberger KL7FO  
Club Secretary

AMSAT NEWS EXCERPTED FROM HR REPORT..... A STATION IDENTIFYING AS RS3A HAS BEEN MONITORED ON 29.370 MHZ SENDING A RECORDED MESSAGE CONCERNING A GROUND TEST OF A SOVIET PS SATELLITE TRANSPONDER. THE RS3A REPORT SAYS THE TRANSPONDER IN IS FROM 145.910 MHZ TO 145.950 MHZ AND THE OUTPUT IS BETWEEN 29.410 MHZ AND 29.450 MHZ. THE TRANSPONDER, WHICH SIGNS RS0, ALSO HAS A BEACON WITH SEVEN CHANNELS OF TELEMETRY OPERATING ON 29.450 MHZ. RECEPTION REPORTS FOR THE RS0 GROUND TESTS SHOULD BE SENT VIA BOX 88, MOSCOW; ATTENTION RS3A.



## PARKA PATTER POSSIBLY PERTAINING TO PARTICULAR PEOPLE

The next PARKA meeting is going to be a real fun meeting and will include a favorite passtime....EATING!!!! We are all going to bring 2 finger (junk?) foods for all to taste and also we will have the receipes for them to go in our PARKA cookbook which really is going to be published sometime honest and truly!!! And on top of that meeting which will be at Grandview Gardens Library at 7:30 April 8. By the way we sure do welcome any and all ladies with an interest in Amateur Radio. Anyway, on top of that meeting will be the annual with our nentfolk banquet. This grand affair will be at the Showboat Restaurant corner of Old Seward and International Airport Rd 7PM April 12 Please be sure to tell Patti KL7L 333-5271 by Thursday April 10 if you plan to attend. We may even present our first POP certificate.

One of our members Evelyn Wegner is in Fairbanks visiting Mary KL7BJD and hopes to lunch with other YL's . Another of our Parka's passed her SECOND CLASS COMMERCIAL. Congrats to Betty KL7AP. Now she can fix all those CAP rigs for all us CAP members.



In news of YLRL, Dues are due. There is an upcoming contest in April details are in QST or YL Harmonics and I forget to dig them out or bring the mags with me. YL activity days are the 6th of each month. Look for YL contacts particularly on these days and if you are really interested I have some probable frequencies at home call 349-4891.

## LUCY'S LAST LINES

Boy doesn't that sound bad. I certainly hope that these aren't really my last lines ever but I am going to turn over the editorship of the "newsletter" over to very capable hands. We now will have co-editors Tanya WA1RVG and Betty KL7AP. I sure did enjoy my part in this thing and when it was just a desparate effort to keep the newsletter going and anything went I enjoyed doing it. It has gotten beyond me now though and needs better organization and typing and more fanciness in general and I am inherently lazy and need my rest!!!! I have had many favorable comments and lots of flowery praise which I eat up with thanks. You can help a lot by offering help....articles, time on newsletter week ends, or just a kind word. There is a dead line, usually the 20th of the month, please get stuff in before that. The message part of the club phone will still be good to get stuff down for newsletter, that number is 344-2835 the other numbers are Tanya...753-8276 Betty 344-1257. WATCH THE ANCHORAGE ARC GROW!!!!



## MARCH SOCIAL -----

The monthly social was a little different in March. It was a pot-luck party held at Mary and Bud Laws QM (KL7IBZ). Seems like a lot of people get a little tired of always meeting at a restaurant for socializing so Mary invited the club to their place. About 33 people showed up with all sorts of goodies to munch on. A friend from Seattle spent the day baking and decorating a special 3-tiered cake just for the occasion and Mary had it prominently displayed when everyone arrived. There probably will be a lot of this type get-together if we can find some more willing bodies to provide their homes for a group. Everyone was free to mingle and get to know new Hams and others they hadn't had an eye-ball QSO with yet.

////////////////////

REPRINT FROM HR REPORT . . . A POTENTIALLY DEADLY THREAT EXISTS IN MANY HAMSHACKS DUE TO PCB, THE POTENT CANCER-CAUSING CHEMICAL WIDELY USED AS A HIGH-VOLTAGE INSULATOR UNTIL A RECENT BAN WAS IMPOSED ON ITS USE BY THE EPA. POLYCHLORINATED BIPHENYLS HAVE BEEN WIDELY USED IN THE MANUFACTURE OF CAPACITORS AND TRANSFORMERS SINCE THE EARLY 1930'S, AND MANY AMATEURS ARE CURRENTLY USING PCB-FILLED CAPACITORS IN THEIR HIGH-VOLTAGE SUPPLY WITHOUT BEING AWARE OF THE POTENTIAL HAZARD.

THERE IS NO DANGER SO LONG AS SEALS ARE INTACT, BUT EXPOSURE TO LIQUID PCB SEEPING FROM A LEAKING CAPACITOR COULD HAVE GRAVE HEALTH CONSEQUENCES FOR AN AMATEUR OR HIS/HER FAMILY. AMATEURS WHO SUSPECT THEIR OIL-FILLED CAPACITORS MIGHT CONTAIN PCB - GE'S PYRANOL IS ONE WELL-KNOWN EXAMPLE-SHOULD CHECK ALL SEALS CAREFULLY FOR LEAKAGE AND MAKE SURE THE CAPACITORS ARE RUN WELL BELOW THEIR RATINGS TO AVOID STRESS. DAMAGED OR LEAKING PCB-FILLED COMPONENTS SHOULD NOT BE THROWN IN THE GARBAGE; IN FACT, IT IS ILLEGAL TO DISPOSE OF MORE THAN THREE POUNDS (ONE QUART) OF PCB EXCEPT IN A SEALED PAIL AT A GOVERNMENT-APPROVED DISPOSAL SITE! AT PRESTIME, HR REPORT WAS DISCUSSING ALTERNATIVE DISPOSAL ARRANGEMENT FOR PCB-FILLED COMPONENTS WITH THE ENVIRONMENTAL PROTECTION AGENCY.

////////////////////

## HAM ADS

FOR SALE -- SB 303, SB 401, SB 620 (MONITOR SCOPE) \$400

LYNN HAMMOND, KL7IKW, 377-6170

\*\*\*\*\*

FOR SALE-- 2 METER RIGS

1. SDE SB-144 - XTAL CONTROL 94, 76, 30, 52, 82 \$95

2. MOTRAC - 40 WATT - 2 CHANNEL, CONVERTED TO HAM BAND \$100

CALL JIM LARSEN - W 2 PK HOME-349-2483 WORK 752-2839

\*\*\*\*\*

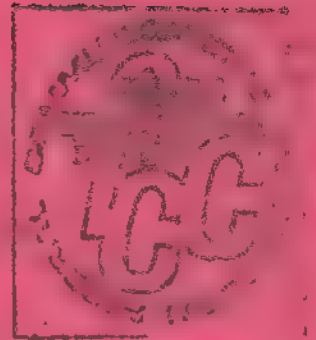
WANTED - DOES ANYONE KNOW WHAT THE CONVERSION IS TO MODIFY THE YAESU 227 RB MEMORIZER TO COVER CAP REPEATER OF 143.9/148.15 ?????

BETTY, KL7AP, 344-1257 or 34/94



# NEWS

Federal Communications Commission  
P O BOX 2955  
ANCHORAGE AK 99510



## NEWS RELEASE

THE FCC HAS UPDATED ALL AMATEUR EXAMINATIONS.!!!!!!

THE NOVICE, TECHNICIAN, ADVANCED & EXTRA WRITTEN EXAMS HAVE BEEN REVISED ACCORDING TO THE NEW CHANGES IN THE AMATEUR RADIO SERVICE AND THE CHANGES IN THE RULES & REGULATIONS PART 97 THAT GOVERN THIS SERVICE. THESE EXAMINATIONS WILL BE IMPLEMENTED SOMETIME DURING THE MONTHS OF MARCH & APRIL. NO EXACT DATE HAS BEEN SET FOR ADMINISTERING THE EXAMINATIONS.

THE FCC IS PRINTING A BASIC AMATEUR STUDY GUIDE FOR ALL ELEMENTS MUCH LIKE THE COMMERCIAL STUDY GUIDES WHICH ARE ALREADY IN USE. THIS GUIDE WILL GIVE AN IDEA OF WHAT SUBJECTS TO STUDY AND WHICH RULES APPLY TO EACH OF THE ELEMENTS. THE FIELD OFFICES HAVE NOT AS YET RECEIVED THEIR SUPPLY OF THESE STUDY GUIDES, HOWEVER, THE MARCH ISSUE OF AT LEAST ONE AMATEUR ORIENTED MAGAZINE WILL PRINT THE GUIDE IN ITS ENTIRETY.

THE AMATEUR COMMUNITY WILL BE NOTIFIED OF THE DATE FOR IMPLEMENTATION OF THE NEW EXAMINATIONS AS SOON AS IT IS KNOWN.



# ROSTER UPDATE MARCH 1980

## ADDITIONS

BURKEVICH, WALTER  
2825 E 18th Ave  
Anchorage, Alaska 99504

Home: 277-0450  
Work: 333-6565

BURPEE, BRUCE  
515 E Beluga Ave  
Fort Richardson, Alaska

Home: 428-3672  
Work: 862-7288

CROFFUT, DOUGLAS  
2440 Chandalar Dr.  
Anchorage, Alaska 99504

WL7AIR  
Home: 337-2105

ARRL

DELANCY, J.D.  
DELANCY, TANYA  
5-720 C G St.  
Elmendorf AFB, Alaska 99506

K1ZAT  
WA1RVG  
Home: 753-8276  
Work: 752-3596 (J.D.)

ARRL (LIFE)

ESTONILO, T.E. "SCOTT"  
645 Karluk St  
Anchorage, Alaska 99501

WL7AJ0

FAGERHOLM, KATHY JEAN  
FAGERHOLM, WILLIAM J.  
295 B 6th St  
Fort Richardson, Alaska 99505

Home: 428-2090  
Work: 862-1202

GRIFFIN, MARK  
23904 Arkansas Dr.  
Anchorage, Alaska 99503

HAERING, BRET  
4731 Kershner Ave.  
Anchorage, Alaska 99503

KL7ISZ  
Home: 243-3664

ARRL

HAMMOND, LYNN  
2632 Kenmore Cir.  
Anchorage, Alaska 99504

KL7IKV

ARRL

KOHLER, CLAUDIA  
KOHLER, JOE  
3846 Caravelle Dr.  
Anchorage, Alaska 99502

KL7JIN  
KL7IDY  
Home: 243-5813

ARRL

ARRL

MEACOCK, GEORGE  
MEACOCK, GLADYS  
5048 Southampton  
Anchorage, Alaska 99503

Home: 277-6889

NETTLE, JUDY G.  
3225 Tarwater  
Anchorage, Alaska 99504

Home: 276-3046  
Work: 243-6616

KL7WNC

WVCE







## THE FIRST CONTACT

You study and study  
Then finally you test.  
You've feelings of confidence  
You did you best.



All of your studyings really  
Worth while.  
Now you're an amateur  
Look at you smile.

Now comes the real test,  
You get on the air.  
But all of a sudden--  
No this isn't fair.

What is my call sign?  
I'm all in a daze--  
I think I will die  
My mind's in a haze.



Finally your contact  
Has come to an end,  
And during the QSO  
You've made a new friend.

Tanya Delancy WA1RVG/KL7

\*\*\*\*\*

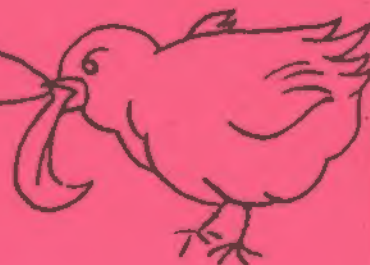
There a several new publications out for amateurs with lots of goodies for sale and trade. The club got a notice of a new one from T & L Publications call NUTS & VOLTS. It is a publication devoted exclusively to the amateur radio and computer enthusiast. Subscription is a ONE TIME CHARGE of \$5.00. Order from T & L Publications, P. O. Box 1111, Placentia, CA 92670.

\*\*\*\*\*

The Iditarod de-briefing party was held March 29 at Orv Gilbert, KL7IZL's home for all who participated in the communications effort of the race. Hams as well as the supporting pilots came and enjoyed an evening of food, movies, awards presentations and tons of trail stories. Next month we will have a follow-up article on the overall race.



HAPPY EASTER



from  
Boom-Boom



ANCHORAGE AMATEUR RADIO CLUB, INC.  
P.O. BOX 1987  
ANCHORAGE, AK 99510

BULK RATE  
U S POSTAGE PAID  
ANCHORAGE, AK 99510  
PERMIT #223

STEWART RICHARD L  
3858 CARVELLE DR  
ANCH AK 99502

